

**NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI-620015**  
**DEPARTMENT OF CHEMISTRY**

Advt. No: NITT/CHY/SM/DST- Materials MAP/2023

Date: 15.03.2023

**ADVERTISEMENT FOR RECRUITMENT OF JUNIOR RESEARCH FELLOW**

Applications are invited from eligible Indian Nationals for the position of a **Junior Research Fellow (One) or Project Associate (One)** as per the details given below for the DST-Materials MAP (File No. DST/TMD/IC-MAP/2K20/03 (C)) research project titled “**Collaborative Research for Accelerated Development of Materials & Devices for Energy Harvesting and Conservation Technologies**” under the principal investigator Dr. Sarthak Mandal, Assistant Professor Department of Chemistry, National Institute of Technology Tiruchirappalli, Tiruchirappalli-620015, Tamil Nadu, India.

Position & Number of Vacancy	<b>Junior Research Fellow (JRF) - One (1)</b>  <b>Or</b>  <b>Project Associate – One (1)</b>
Essential Qualification	<b>For Junior Research Fellow (One)</b> <ul style="list-style-type: none"><li>• <b>Qualified GATE or NET (including NET Lectureship) in Chemistry/Chemical Sciences</b> with valid score cards.</li><li>• <b>M. Sc. in Chemistry (First Class)</b> with a minimum of 60% marks or 6.5 CGPA</li></ul> <p style="text-align: center;"><b>Or</b></p> <b>For Project Associate (One)</b> <ul style="list-style-type: none"><li>• <b>M. Sc. in Chemistry (First Class)</b> with a minimum of 60% marks or 6.5 CGPA</li></ul>
Salary	<b>For Junior Research Fellow (One):</b> Rs. 31,000 per month  <b>Or</b>  <b>For Project Associate (One):</b> Rs. 25,000 per month
Job Description	1. Design, Synthesis and Characterization of Organic/Inorganic Hybrid Perovskite Materials for Solar Cell Application 2. Compilation of Results 3. Report Preparation and Presentation 4. The selected candidates will be permitted to register for the Ph.D. program as per NITT rules and regulations.

Duration of Project	36 Months (Tenure extension based on fund availability, and performance review every 12 months)
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**Important Instructions to the Candidates:**

- A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- B. Eligible candidates desiring to appear for the interview may send their duly filled applications (**only in the prescribed format given in this advertisement**) along with the relevant supporting documents as a single pdf file (**pdf file must be named as: Your Name\_Date of Birth.pdf**) by email to: [smandal@nitt.edu](mailto:smandal@nitt.edu) and [sarthakmandal@gmail.com](mailto:sarthakmandal@gmail.com) or by post to Dr. Sarthak Mandal, Assistant Professor, Department of Chemistry, National Institute of Technology Tiruchirappalli - 620015. The subject line of the email/post must be written as “**Application for JRF Position – DST Materials MAP**”
- C. The relevant supporting documents include
  - (i) Experience in research if any
  - (ii) Attested copies of degree certificates and mark sheets, first page of the M. Sc. project report, and experience certificate etc.
- D. Preference will be given to the candidate with excellent academic record, research potential, relevant experience and good communication skill. However, the selection of the candidate would be based on their performance in the interview. The decision of the selection committee is final.
- E. The date of interview will be communicated to the shortlisted candidates by E-mail only.
- F. Candidates shall keep along with them the original certificates at the time of interview for verification.
- G. Please note that no TA/DA is admissible for attending the interview.
- H. For any clarification, you can contact: Dr. S. Mandal (Email: [smandal@nitt.edu](mailto:smandal@nitt.edu) or [sarthakmandal@gmail.com](mailto:sarthakmandal@gmail.com))
- I. **The last date of submission of duly filled application is 24.04.2023**



**Dr. Sarthak Mandal, Principal Investigator (PI)**

Assistant Professor, Department of Chemistry,  
National Institute of Technology Tiruchirappalli,  
Tiruchirappalli, 620015, Tamil Nadu

**OFFICE OF THE DEAN (R & C), NIT, TIRUCHI**  
**RECRUITMENT OF TEMPORARY PROJECT STAFF --PRESCRIBED APPLICATION FOR THE POST OF RESEARCH**  
**ASSOCIATE / JRF / SRF / TECHNICAL STAFF – SPECIMEN TEMPLATE**

*(Important note: This is specimen template. Project Investigator can modify according to his requirement)*

<p>For Office Use only</p> <p>Serial Number allotted to the Applicant .....</p> <p>Signature of the Application Screening Committee Chairman</p>	<p>Paste here your recent passport size colour Photograph</p>
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**APPLICATION FOR THE POST OF RESEARCH ASSOCIATE / JRF / SRF/ TECHNICAL STAFF**

1. Name of the Candidate in full	
2. Nationality	
3. Mother Tongue	
4. Date of Birth	Date                      Month                      Year
5. Sex	Male / Female
6. Marital Status	Married / Single
7. Category      SC / ST / OBC / General	Please specify
8. Address for communication with Mobile number and E Mail ID	
9. Project Title	
10. Name of the Post applied for	
11. Advertisement Number with Date	

Academic Career : Enclose photo copies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPF from HSC onwards

Name of Exam	School / University	Board/ University	Broad subjects of study	Year of Passing	% of marks / GCPA
S.S.L.C					
H.S.C					
Graduation					
Post-Graduation					
Any other					

Enclose self-attested Xerox copies

12. GATE Score .....Subject  
.....Year.....

13. NET Score  
.....Subject.....Year.....

14. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

14. Previous Research work and publication, if any (enclose copies of published or unpublished work)

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15. Proof of past study as a sponsored candidate, or other contractual obligation, if any:

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16. Reference

Name	Address	Phone & E Mail ID

17. I do not have a relative among Faculty and Staff of the NIT, Trichy.

18. Declaration: I do hereby that the information furnished in the application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and Project associated to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat / appointment allotted to me any time in future and legal action be taken against me.

Date:

Full signature of the Applicant

List of Enclosures: (1)  
(2)  
(3)  
(4)